

**REMARKS**

In response to the Office Action dated May 22, 2009 constituting a requirement for restriction in the above-identified application, election is made to prosecute the claims in the Examiner's Group II (claims 28-42). The election is made without traverse. Applicant expressly reserves the right to represent the claims of the non-elected group in a divisional application, if necessary. Should a claim be held allowable that is later determined to be a linking claim to the withdrawn claims, Applicant requests reconsideration and withdrawal of the restriction requirement. Applicant is entitled to a reasonable number of species. In the event that a telephone conference would facilitate the examination of this application in any way, the Examiner is invited to contact the undersigned at the number provided. Claim 28 has been amended to delete the limitation of a second detector channel in a trans-illumination geometry relative to a source channel. New dependent claim 44 has been added to add the above deleted limitation of claim 28 as a dependent claim. No new matter has been added.

Action on the merits of claims 28-42 and 44 is respectfully requested.

**CONCLUSION**

If any issues remain, or if the Examiner has any suggestions for expediting allowance of this application, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below. Favorable reconsideration is respectfully requested.

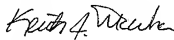
**AUTHORIZATION**

The Commissioner is hereby authorized to charge any fees which may be required for consideration of this Amendment or credit any overpayment to Deposit Account No. **50-1145-4500**, Order No. 703734.000050. A DUPLICATE OF THIS DOCUMENT IS ATTACHED.

Respectfully submitted,  
DAY PITNEY, L.L.P.

Dated: June 17, 2009

By:



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